

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-027922**Date Inspected:** 06-Jul-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1930**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** jobsite**CWI Name:** Andrew Keech**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** SAS project**Summary of Items Observed:**

This Quality Assurance (QA) Inspector, Craig Hager was on site at the job site between the times noted above.

This QA Inspector was on site to randomly observe Quality Control (QC) personnel perform Non-Destructive Testing (NDT) and /or monitor American Bridge/Fluor (ABF) welding operations. This Quality Assurance (QA) Inspector, Craig Hager observed the following.

This QA Inspector performed Ultrasonic Testing (UT) for verification purposes and observed UT indications both parallel and transverse to the weld. The area of inspection was the Electro Slag Weld (ESW) on the shear plates, weld joint W-045 ("H"), face A. Ultrasonic Testing was performed from Y-0 to Y-5900 and within this area a total of 12 indications were observed; 10 recordable transverse indications and 2 recordable longitudinal indications. QC Inspector Andrew Keech had previously performed UT at this location and informed this QA Inspector he had observed 9 recordable indications. This QA Inspector observed 3 indications that QC Inspector Andrew Keech did not appear to have observed and one of the indications marked by QC Inspector Andrew Keech was not observed by this QA Inspector.

This QA Inspector was informed by QC Inspector Andrew Keech this morning that he had been tasked with performing UT for the ongoing excavations and would not be able to work with this QA Inspector this date.

The UT performed by this QA Inspector was with a 70 degree shearwave transducer. For specific details see Ultrasonic Testing Report (TL-6027) this date.

This QA Inspector did not observe welding being performed this date.

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Summary of Conversations:

This QA Inspector had general conversations with American Bridge/Fluor (ABF) personnel, QC personnel and Caltrans personnel during the shift. Except as described above there were no notable conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

Inspected By:	Hager,Craig	Quality Assurance Inspector
Reviewed By:	Levell,Bill	QA Reviewer
